Amendments of the Claims

 This listing of claims will replace all prior versions and listings of claims in the above-identified patent application:

Listing of Claims:

 1. (Currently amended) A method for retrieving data for use in an interactive television application system having an interactive television application implemented at least partially on user television equipment, in which non-on-demand media data is provided by a non-on-demand media data source and a plurality of on-demand media data is provided by an on-demand media data source, and wherein the non-on-demand and on-demand media data sources are separate, comprising:

 receiving a broadcast of the non-on-demand media data from the non-on-demand media data source;

 receiving a user request to display a first set of on-demand media data;

 in response to receiving the user request:

 displaying [[a]] the first set of on-demand media data; and

 examining, without receiving user input, identifying, at the user equipment, the displayed first set of on demand media data to identify a second set of on-demand media data that corresponds to the displayed first set of on-demand media data necessary for retrieval;

 automatically initiating, at the user equipment, a client-server connection between the interactive television application system and the on-demand media data source in response to the identifying of the second set of on-demand media data necessary for retrieval;

automatically retrieving the second set of on-demand media data through the client-server connection;

automatically storing the retrieved second set of on-demand media data in memory on the user television equipment;

displaying the second set of on-demand media data stored in the memory of the user television equipment in response to a user indication to access at least the second set of on-demand media data; and

displaying the non-on-demand media data in response to a user indication to access at least the non-on-demand data.

2.   (Previously presented) The method of claim 1, wherein the non-on-demand media data received is television program listings data.

3.   (Original) The method of claim 1, wherein the on-demand media data retrieved is genre data.

4.   (Original) The method of claim 1, wherein the on-demand media data retrieved is interactive television application software data.

5.   (Original) The method of claim 1, wherein the on-demand media data retrieved is video-on-demand listings data.

6.   (Original) The method of claim 1, wherein the on-demand media data retrieved is audio-on-demand listings data.

7. (Original) The method of claim 1, wherein the on-demand media data retrieved is interactive video game listings data.

8. (Original) The method of claim 1, wherein the on-demand media data retrieved is weather data.

9. (Original) The method of claim 1, wherein the on-demand media data retrieved is sports statistics data.

10. (Original) The method of claim 1, wherein the on-demand media data retrieved is stock market data.

11. (Original) The method of claim 1, further comprising providing metadata contemporaneously with non-on-demand media data.

12. (Original) The method of claim 1, further comprising providing metadata contemporaneously with on-demand media data.

13. (Original) The method of claim 1, further comprising retrieving on-demand media data from the on-demand media data source in response to a user selection of an on-demand media listing.

14. (Previously presented) The method of claim 1, further comprising determining if the on-demand media data is stored on the user television equipment.

15.   (Original) The method of claim 1, further comprising determining if on-demand media data needs to be retrieved from the on-demand media data source.

16.   (Original) The method of claim 1, further comprising determining whether a connection exists between the interactive television application system and the on-demand media data source.

17.   (Canceled)

18.   (Original) The method of claim 1, further comprising retrieving on-demand media data from multiple on-demand media data sources.

19.   (Previously presented) The method of claim 1, further comprising storing on-demand media data from multiple on-demand media data sources.

20.   (Original) The method of claim 1, further comprising displaying non-on-demand media data and on-demand media data concurrently.

21.   (Currently amended) Computer-readable media for retrieving data for use in an interactive television application system having an interactive television application implemented at least partially on user television equipment, in which non-on-demand media data is provided by a non-on-demand media data source and a plurality of on-demand media data is provided by a on-demand media data source, and wherein the on-demand and non-on-demand media data sources are separate, where

the computer-readable media is encoded with machine-readable instructions for performing the method comprising:

receiving a broadcast of the non-on-demand media data from the non-on-demand media data source;

receiving a user request to display a first set of on-demand media data;

in response to receiving the user request:

displaying [[a]] the first set of on-demand media data; and

examining, without receiving user input, identifying, at the user equipment, the displayed first set of on-demand media data to identify a second set of on-demand media data that corresponds to the displayed first set of on-demand media data necessary for retrieval;

automatically initiating, at the user equipment, a client-server connection between the interactive television application system and the on-demand media data source in response to the identifying of the second set of on-demand media data necessary for retrieval;

automatically retrieving the second set of on-demand media data through the client-server connection;

automatically storing the retrieved second set of on-demand media data in memory on the user television equipment;

displaying the second set of on-demand media data stored in the memory of the user television equipment in response to a user indication to access at least the second set of on-demand media data; and

displaying the non-on-demand media data in response to a user indication to access at least the non-on-demand data.

22. (Previously presented) The computer-readable media of claim 21, wherein the non-on-demand media data received is television program listings data.

23. (Original) The computer-readable media of claim 21, wherein the on-demand media data retrieved is genre data.

24. (Original) The computer-readable media of claim 21, wherein the on-demand media data retrieved is interactive television application software data.

25. (Original) The computer-readable media of claim 21, wherein the on-demand media data retrieved is video-on-demand listings data.

26. (Original) The computer-readable media of claim 21, wherein the on-demand media data retrieved is audio-on-demand listings data.

27. (Original) The computer-readable media of claim 21, wherein the on-demand media data retrieved is interactive video game listings data.

28. (Original) The computer-readable media of claim 21, wherein the on-demand media data retrieved is weather data.

29. (Original) The computer-readable media of claim 21, wherein the on-demand media data retrieved is sports statistics data.

30. (Original) The computer-readable media of claim 21, wherein the on-demand media data retrieved is stock market data.

31. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded with machine-readable instructions for providing metadata contemporaneously with the non-on-demand media data.

32. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded with machine-readable instructions for providing metadata contemporaneously with the on-demand media data.

33. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded with machine-readable instructions for retrieving on-demand media data from the on-demand media data source in response to a user selection of an on-demand media listing.

34. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded with machine-readable instructions for determining if the on-demand media data is stored on the user television equipment.

35. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded

with machine-readable instructions for determining if on-demand media data needs to be retrieved from the on-demand media data source.

36. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded with machine-readable instructions for determining whether a connection exists between the interactive television application system and the on-demand media data source.

37. (Canceled).

38. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded with machine-readable instructions for retrieving on-demand media data from multiple on-demand media data sources.

39. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded with machine-readable instructions for storing on-demand media data from multiple on-demand media data sources.

40. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded with machine-readable instructions for displaying non-on-demand media data and on-demand media data concurrently.

41. (Currently amended) A system for retrieving data for use in an interactive television application system having an interactive television application implemented at least

partially on user television equipment, in which non-on-demand media data is provided by a non-on-demand media data source and a plurality of on-demand media data is provided by a on-demand media data source, and wherein the on-demand and the non-on-demand media data sources are separate, comprising:

means for receiving a broadcast of the non-on-demand media data from the non-on-demand media data source;

means for receiving a user request to display a first set of on-demand media data;

in response to receiving the user request:

means for displaying [[a]] the first set of on-demand media data; and

means for ~~examining, without receiving user input,~~ identifying, at the user equipment, ~~the displayed first set of on-demand media data to identify~~ a second set of on-demand media data that corresponds to the displayed first set of on-demand media data necessary for retrieval;

means for automatically initiating, at the user equipment, a client-server connection between the interactive television application system and the on-demand media data source in response to the identifying of the second set of on-demand media data necessary for retrieval;

means for automatically retrieving the second set of on-demand media data through the client-server connection;

means for automatically storing the retrieved second set of on-demand media data in memory on the user television equipment;

means for displaying the second set of on-demand media data stored in the memory of the user television equipment in response to a user indication to access at least

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the second set of on-demand media data; and

        means for displaying the non-on-demand media data in response to a user indication to access at least the non-on-demand data.

    42. (Previously presented) The system of claim 41, wherein the non-on-demand media data received is television program listings data.

    43. (Original) The system of claim 41, wherein the on-demand media data retrieved is genre data.

    44. (Original) The system of claim 41, wherein the on-demand media data retrieved is interactive television application software data.

    45. (Original) The system of claim 41, wherein the on-demand media data retrieved is video-on-demand listings data.

    46. (Original) The system of claim 41, wherein the on-demand media data retrieved is audio-on-demand listings data.

    47. (Original) The system of claim 41, wherein the on-demand media data retrieved is interactive video game listings data.

    48. (Original) The system of claim 41, wherein the on-demand media data retrieved is weather data.

49. (Original) The system of claim 41, wherein the on-demand media data retrieved is sports statistics data.

50. (Original) The system of claim 41, wherein the on-demand media data retrieved is stock market data.

51. (Previously presented) The system of claim 41, further comprising means providing metadata contemporaneously with non-on-demand media data.

52. (Previously presented) The system of claim 41, further comprising means for providing metadata contemporaneously with on-demand media data.

53. (Previously presented) The system of claim 41, further comprising means for retrieving on-demand media data from the on-demand media data source in response to a user selection of an on-demand media listing.

54. (Previously presented) The system of claim 41, further comprising means for determining if the on-demand media data is stored on the user television equipment.

55. (Previously presented) The system of claim 41, further comprising means for determining if on-demand media data needs to be retrieved from the on-demand media data source.

56. (Previously presented) The system of claim 41, further comprising means for determining whether a connection

exists between the interactive television application system and the on-demand media data source.

57. (Canceled).

58. (Previously presented) The system of claim 41, further comprising means for retrieving on-demand media data from multiple on-demand media data sources.

59. (Previously presented) The system of claim 41, further comprising means for storing on-demand media data from multiple on-demand media data sources.

60. (Previously presented) The system of claim 41, further comprising means for displaying non-on-demand media data and on-demand media data concurrently.

61. (Currently amended) A system for retrieving data for use in an interactive television application system having an interactive television application implemented at least partially on user television equipment, in which non-on-demand media data is provided by a non-on-demand media data source and a plurality of on-demand media data is provided by an on-demand media data source, and wherein the non-on-demand and on-demand media data sources are separate, comprising:
a communications device for communicating with the on-demand media data source and non-on-demand media data source;
memory;
a display device;
a user input device;

control circuitry programmed to:

direct the communications device to receive a broadcast of the non-on-demand media data from the non-on-demand media data source;

receive a user request to display a first set of on-demand media data;

in response to receiving the user request:

display on the display device [[a]] the first set of on-demand media data; and

examine, without receiving user input, identify, at the user equipment, the displayed first set of on-demand media data to identify a second set of on-demand media data that corresponds to the displayed first set of on-demand media data necessary for retrieval;

automatically initiate, at the user equipment, a client-server connection between the interactive television application system and the on-demand media data source in response to the identifying of the second set of on-demand media data necessary for retrieval;

automatically direct the communications device to retrieve the second set of on-demand media data through the client-server connection;

automatically store the retrieved second set of on-demand media data in the memory;

in response to receiving a user indication to access at least the second set of on-demand media data from the user input device, direct the display device to display the second set of on-demand media data stored in the memory; and

in response to receiving a user indication to access at least the non-on-demand media data from the user

input device, direct the display device to display the non-on-demand media data.

      62. (Previously presented) The system of claim 61, wherein the non-on-demand media data received is television program listings data.

      63. (Original) The system of claim 61, wherein the on-demand media data retrieved is genre data.

      64. (Original) The system of claim 61, wherein the on-demand media data retrieved is interactive television application software data.

      65. (Original) The system of claim 61, wherein the on-demand media data retrieved is video-on-demand listings data.

      66. (Original) The system of claim 61, wherein the on-demand media data retrieved is audio-on-demand listings data.

      67. (Original) The system of claim 61, wherein the on-demand media data retrieved is interactive video game listings data.

      68. (Original) The system of claim 61, wherein the on-demand media data retrieved is weather data.

      69. (Original) The system of claim 61, wherein the on-demand media data retrieved is sports statistics data.

70.   (Original) The system of claim 61, wherein the on-demand media data retrieved is stock market data.

71.   (Original) The system of claim 61, wherein metadata is contemporaneously retrieved along with the non-on-demand media data.

72.   (Original) The system of claim 61, wherein metadata is contemporaneously retrieved with the on-demand media data.

73.   (Previously presented) The system of claim 61, wherein the control circuitry is directed to determine if the on-demand media data is stored in the cache memory of the user television equipment.

74.   (Original) The system of claim 61, wherein the control circuitry is directed to determine if on-demand media data needs to be retrieved from the on-demand media data source.

75.   (Original) The system of claim 61, wherein the control circuitry is directed to determine whether a connection exists between the communications device and the on-demand media data source.

76.   (Canceled).

77.   (Original) The system of claim 61, wherein the control circuitry is directed to retrieve on-demand media data

from multiple on-demand media data sources using the communications device.

78. (Previously presented) The system of claim 61, wherein the control circuitry is directed to store on-demand media data from multiple on-demand media data sources in the memory.

79. (Original) The system of claim 61, wherein the control circuitry is directed to display non-on-demand media data and on-demand media data concurrently on the display device.

80. (Previously presented) The method of claim 1, wherein automatically establishing the client-server connection comprises automatically establishing a session with a server of the on-demand media data source.

81. (Previously presented) The computer-readable media of claim 21, the computer-readable media further encoded with computer-readable instructions for automatically establishing a session with a server of the on-demand media data source.

82. (Previously presented) The system of claim 41, wherein the means for automatically establishing the client-server connection comprises means for automatically establishing a session with a server of the on-demand media data source.

83. (Previously presented) The system of claim 61, wherein the control circuitry is directed to automatically establish a session with a server of the on-demand media data source.

84. (Previously presented)   The method of claim 1, wherein the first set of on-demand media data includes a first page of on-demand media program listings and the second set of on-demand media data includes a second page of on-demand media program listings.

85. (Previously presented)   The method of claim 1, wherein the first set of on-demand media data includes a plurality of categories and the second set of on-demand media data includes a plurality of on-demand media program listings corresponding to one of the plurality of categories.

86. (Previously presented)   The method of claim 1, wherein the first set of on-demand media data includes a plurality of on-demand media program listings and the second set of on-demand media data includes detailed information associated with the plurality of on-demand media program listings.

87. (Previously presented)   The computer-readable media of claim 21, wherein the identifying is based on a viewing history stored on the user television equipment.

88. (Previously presented)   The computer-readable media of claim 87, wherein the viewing history comprises at least one of on-demand media data that is commonly accessed by

a user, on-demand media data that is likely to be accessed by the user and on-demand media data that is popular among a plurality of users.

89. (Previously presented)   The computer-readable media of claim 87, wherein the viewing history is generated based on monitored user activity.

90. (Previously presented)   The system of claim 41, further comprising means for identifying the set of on-demand media data based on a viewing history stored on the user television equipment.

91. (Previously presented)   The system of claim 90, wherein the viewing history comprises at least one of on-demand media data that is commonly accessed by a user, on-demand media data that is likely to be accessed by the user and on-demand media data that is popular among a plurality of users.

92. (Previously presented)   The system of claim 90, wherein the viewing history is generated based on monitored user activity.

93. (Previously presented)   The system of claim 61, wherein the wherein the control circuitry is directed to identify the set of on-demand media data based on a viewing history stored on the user television equipment.

94. (Previously presented)   The system of claim 93, wherein the viewing history comprises at least one of on-demand media data that is commonly accessed by a user, on-demand media

data that is likely to be accessed by the user and on-demand media data that is popular among a plurality of users.

95. (Previously presented)   The system of claim 93, wherein the viewing history is generated based on monitored user activity.